

ABSTRACT OF THE DISCLOSURE

An apparatus and method for manufacturing a solid polymer film with a catalyst sufficiently deposited thereon preheats a solid polymer film and then hot presses this solid polymer film together with a catalyst carrier film. Hot pressing the solid polymer
5 film while it is soft from preheating increases the bond strength between the solid polymer film and the catalyst such that separation of the catalyst from the solid polymer film during film separation can be prevented. Moreover, keeping the catalyst carrier film cool prior to hot pressing and making the temperature on the catalyst carrier film side slightly lower than on the solid polymer film side during hot pressing inhibits an
10 increase in binding strength between the film and the catalyst, and thereby improves separation of the film.